FIG. 1

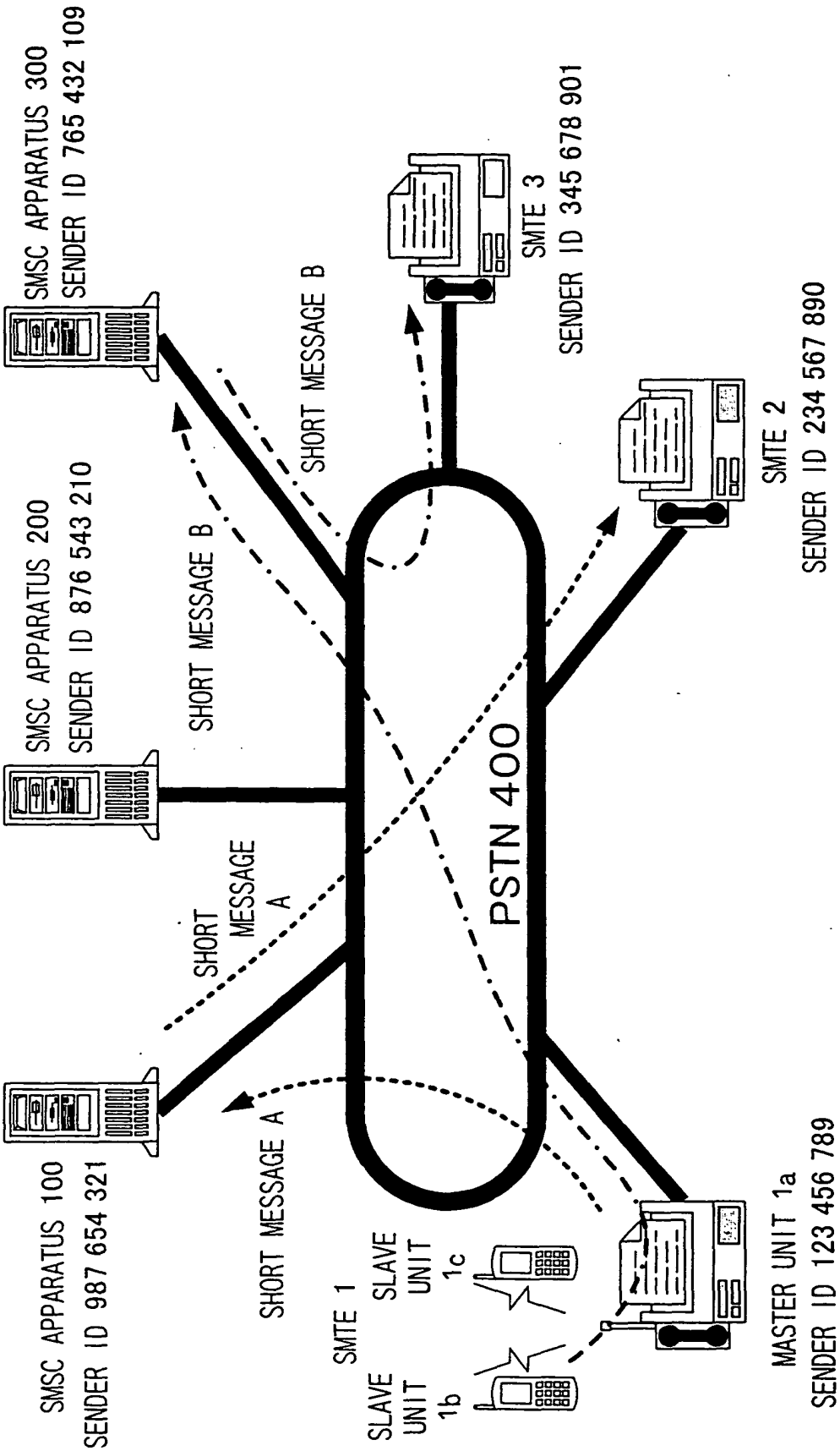

SMSC APPARATUS 300
SENDER ID 765 432 109
SMSC APPARATUS 200
SENDER ID 876 543 210
SMSC APPARATUS 100
SENDER ID 987 654 321
SHORT MESSAGE B
SHORT MESSAGE B
SHORT MESSAGE A
SHORT MESSAGE A
PSTN 400
SMTE 3
SENDER ID 345 678 901
SMTE 2
SENDER ID 234 567 890
SMTE 1
SLAVE UNIT 1b
SLAVE UNIT 1c
MASTER UNIT 1a
SENDER ID 123 456 789

FIG. 2

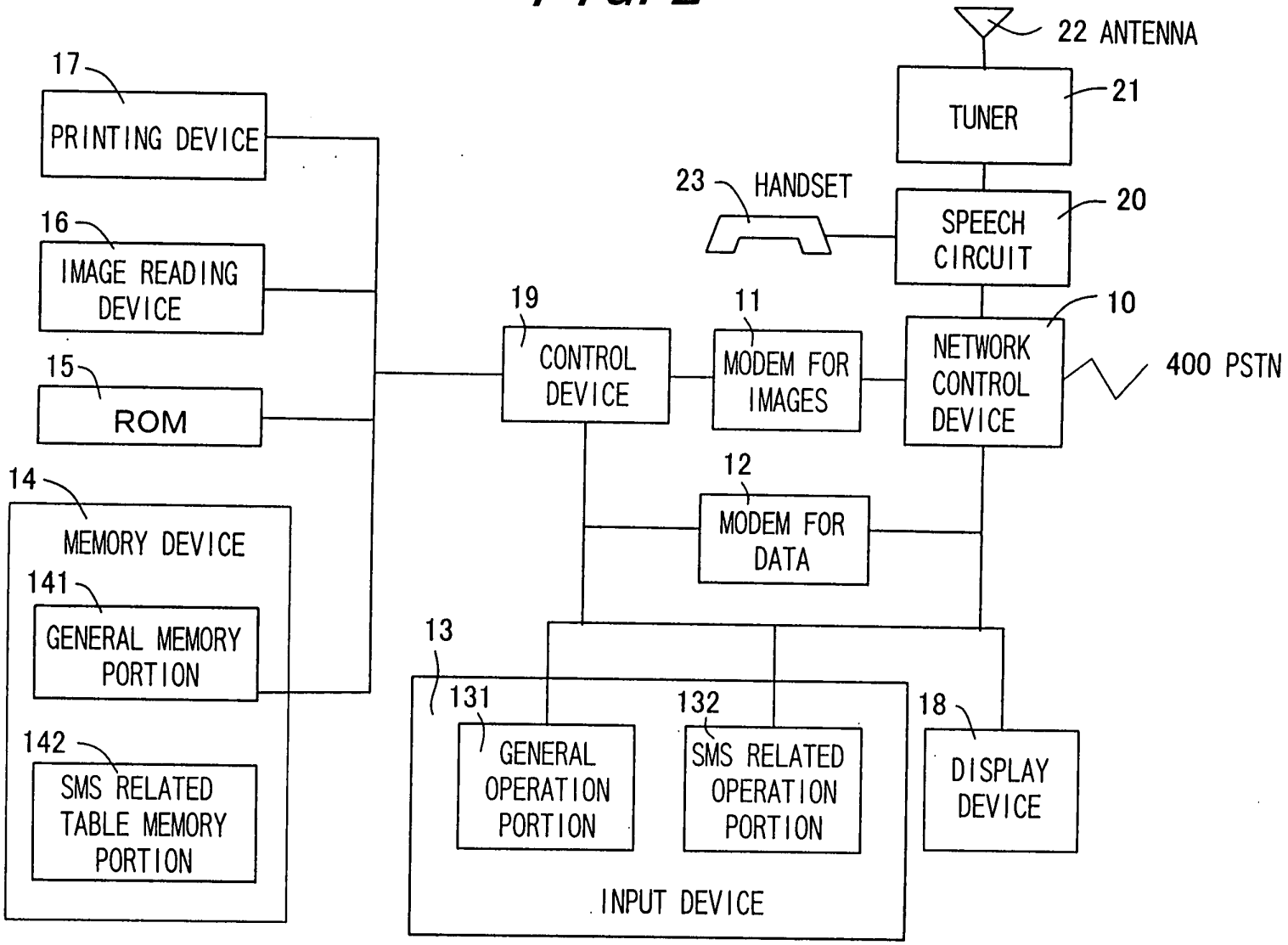

22 ANTENNA
17
PRINTING DEVICE
TUNER
21
23
HANDSET
16
IMAGE READING DEVICE
SPEECH CIRCUIT
20
19
11
10
15
ROM
CONTROL DEVICE
MODEM FOR IMAGES
NETWORK CONTROL DEVICE
400 PSTN
12
14
MEMORY DEVICE
MODEM FOR DATA
141
GENERAL MEMORY PORTION
13
131
132
18
142
SMS RELATED TABLE MEMORY PORTION
GENERAL OPERATION PORTION
SMS RELATED OPERATION PORTION
DISPLAY DEVICE
INPUT DEVICE

FIG. 3

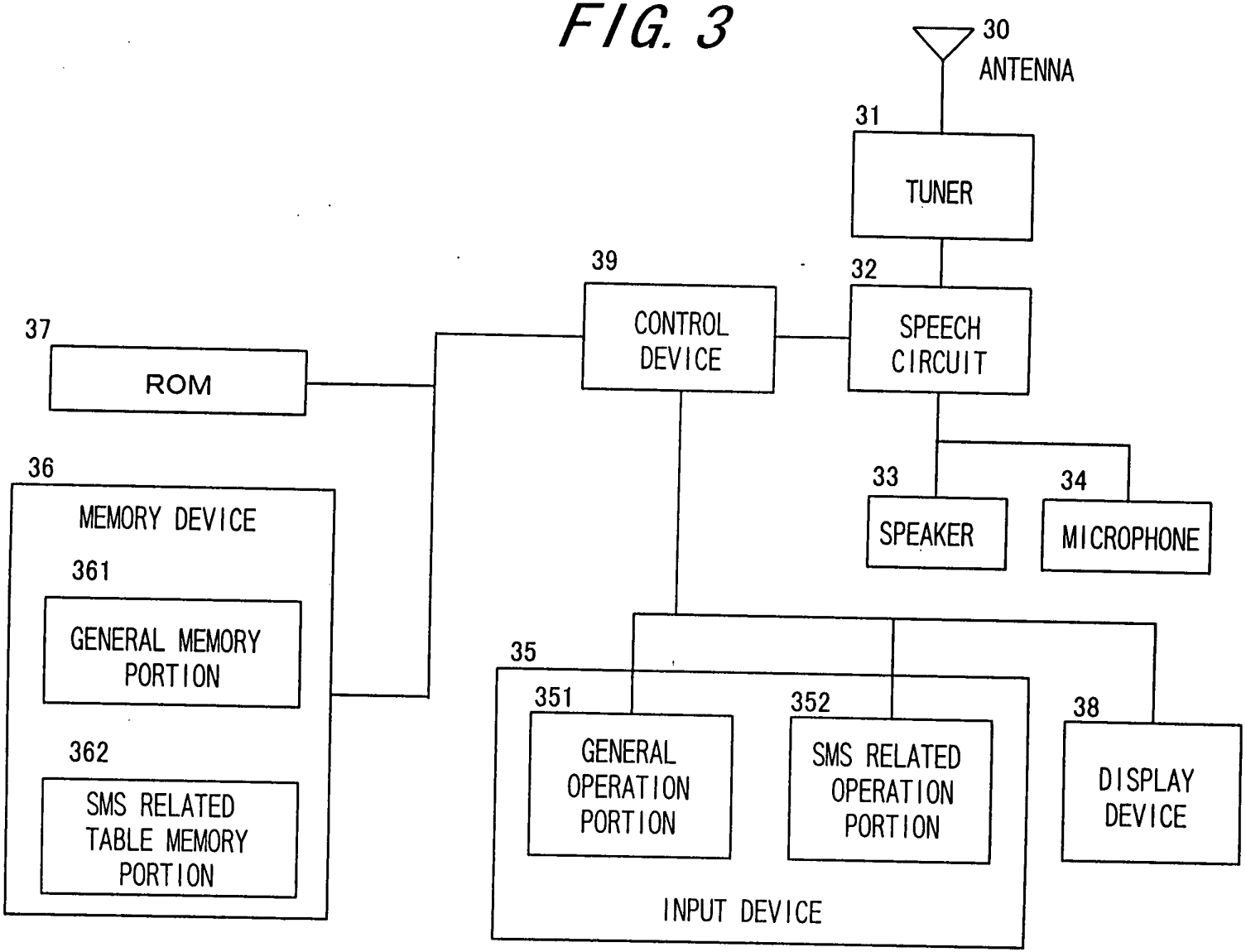

30
ANTENNA
31
TUNER
39
CONTROL DEVICE
32
SPEECH CIRCUIT
37
ROM
36
MEMORY DEVICE
361
GENERAL MEMORY PORTION
362
SMS RELATED TABLE MEMORY PORTION
33
SPEAKER
34
MICROPHONE
35
351
GENERAL OPERATION PORTION
352
SMS RELATED OPERATION PORTION
INPUT DEVICE
38
DISPLAY DEVICE

FIG. 4

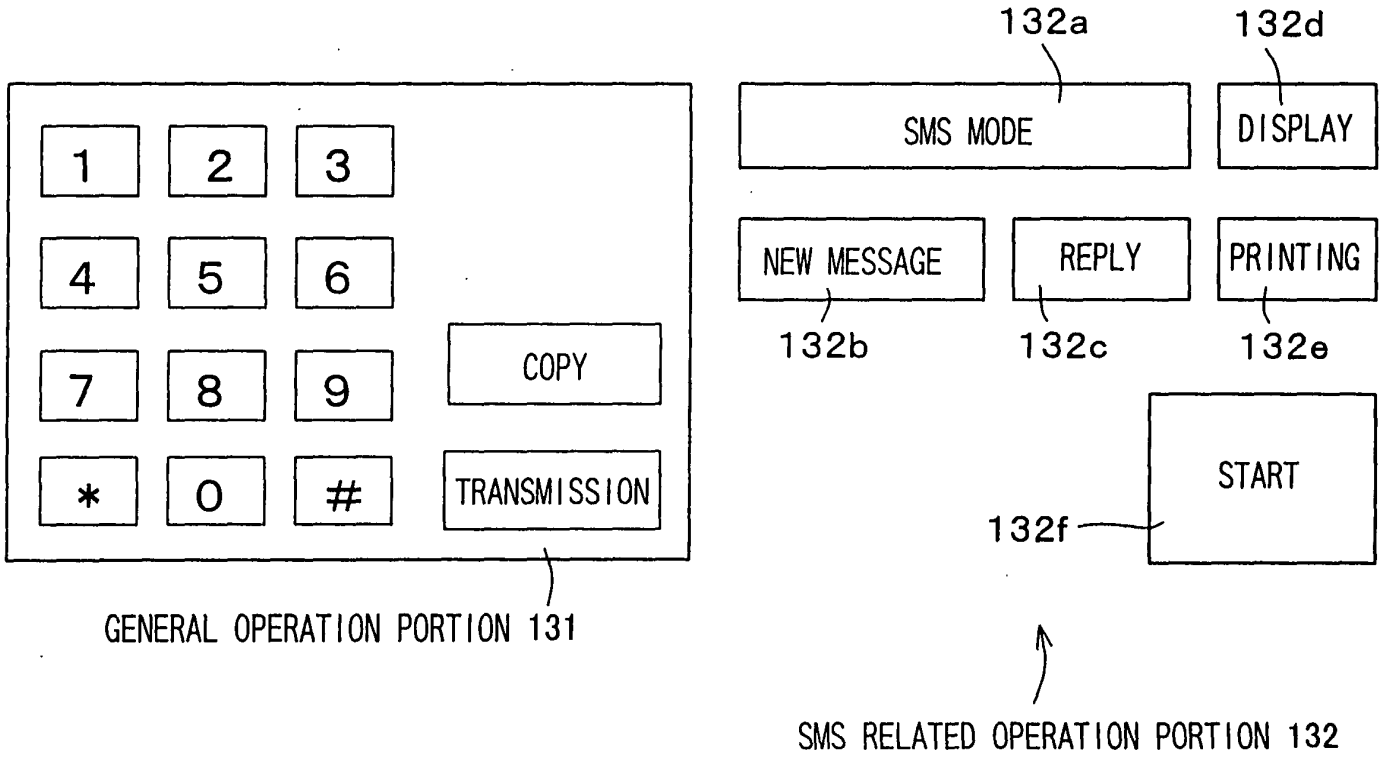

132a
132d
SMS MODE
DISPLAY
NEW MESSAGE
REPLY
PRINTING
132b
132c
132e
1
2
3
4
5
6
7
8
9
*
0
#
COPY
TRANSMISSION
START
132f
GENERAL OPERATION PORTION 131
SMS RELATED OPERATION PORTION 132

FIG. 5

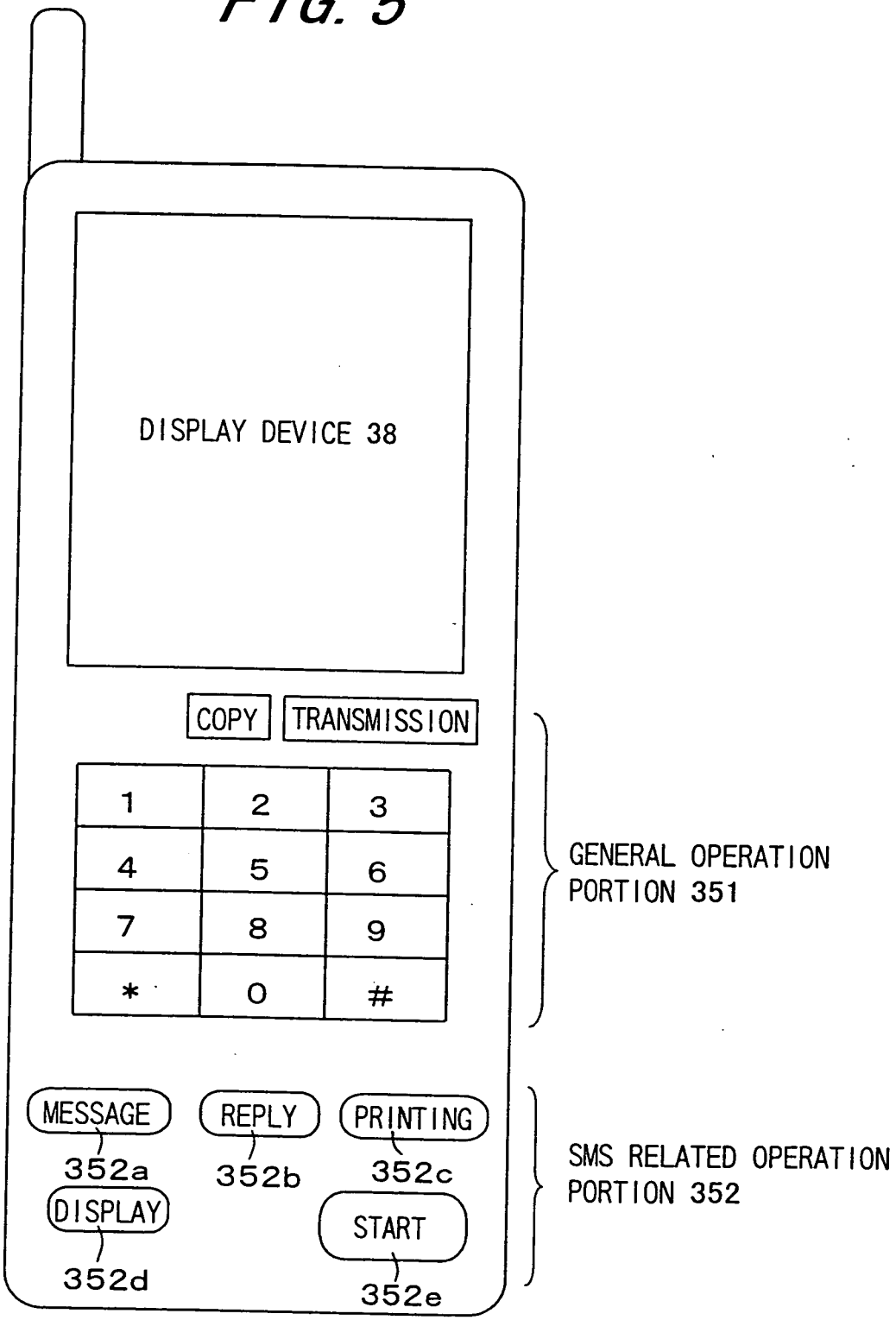

DISPLAY DEVICE 38
COPY
TRANSMISSION
1
2
3
4
5
6
7
8
9
*
0
#
GENERAL OPERATION PORTION 351
MESSAGE
352a
REPLY
352b
PRINTING
352c
DISPLAY
352d
START
352e
SMS RELATED OPERATION PORTION 352

FIG. 6

SMSC APPARATUS 100		
TERMINAL : MASTER UNIT 1a	SENDER ID: 987 654 321	USE DEGREE
APPLICATION PROGRAM (PROTOCOL · PARAMETER)		
RECEIVED DATA: (BLOCK 1)		
RECEIVED DATA: (BLOCK 2)		
RECEIVED DATA: (BLOCK 3)		
RECEIVED DATA: (BLOCK 10)		

SMSC APPARATUS 200		
TERMINAL : SLAVE UNIT 1c	SENDER ID: 876 543 210	USE DEGREE
APPLICATION PROGRAM (PROTOCOL · PARAMETER)		
RECEIVED DATA: (BLOCK 1)		
RECEIVED DATA: (BLOCK 2)		
RECEIVED DATA: (BLOCK 3)		
RECEIVED DATA: (BLOCK 10)		

SMSC APPARATUS 300		
TERMINAL : SLAVE UNIT 1b	SENDER ID: 765 432 109	USE DEGREE
APPLICATION PROGRAM (PROTOCOL · PARAMETER)		
RECEIVED DATA: (BLOCK 1)		
RECEIVED DATA: (BLOCK 2)		
RECEIVED DATA: (BLOCK 3)		
RECEIVED DATA: (BLOCK 10)		

FIG. 7A

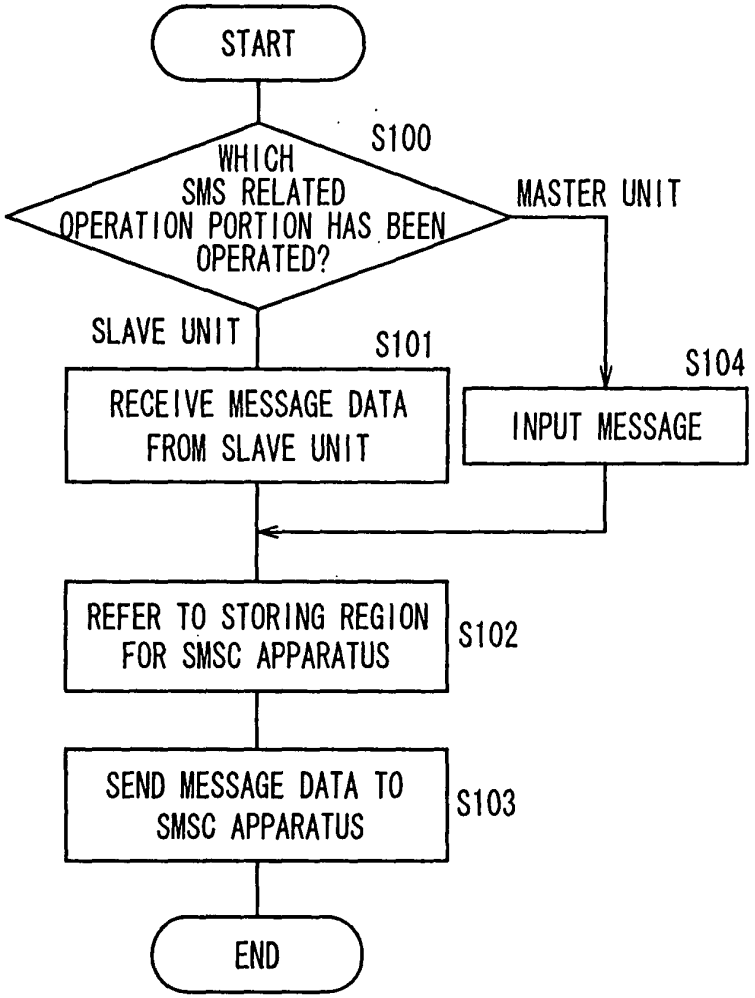

START
S100
WHICH SMS RELATED OPERATION PORTION HAS BEEN OPERATED?
MASTER UNIT
SLAVE UNIT
S101
RECEIVE MESSAGE DATA FROM SLAVE UNIT
S104
INPUT MESSAGE
REFER TO STORING REGION FOR SMSC APPARATUS
S102
SEND MESSAGE DATA TO SMSC APPARATUS
S103
END

FIG. 7B

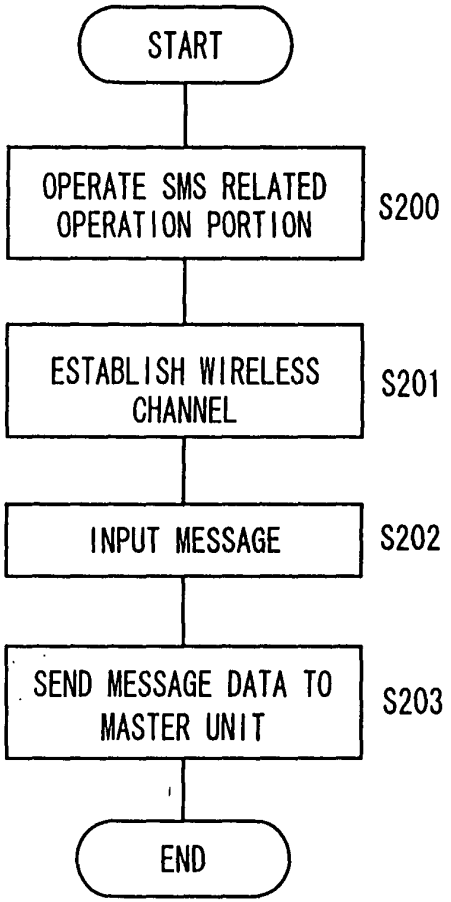

START
OPERATE SMS RELATED OPERATION PORTION
S200
ESTABLISH WIRELESS CHANNEL
S201
INPUT MESSAGE
S202
SEND MESSAGE DATA TO MASTER UNIT
S203
END

FIG. 8A

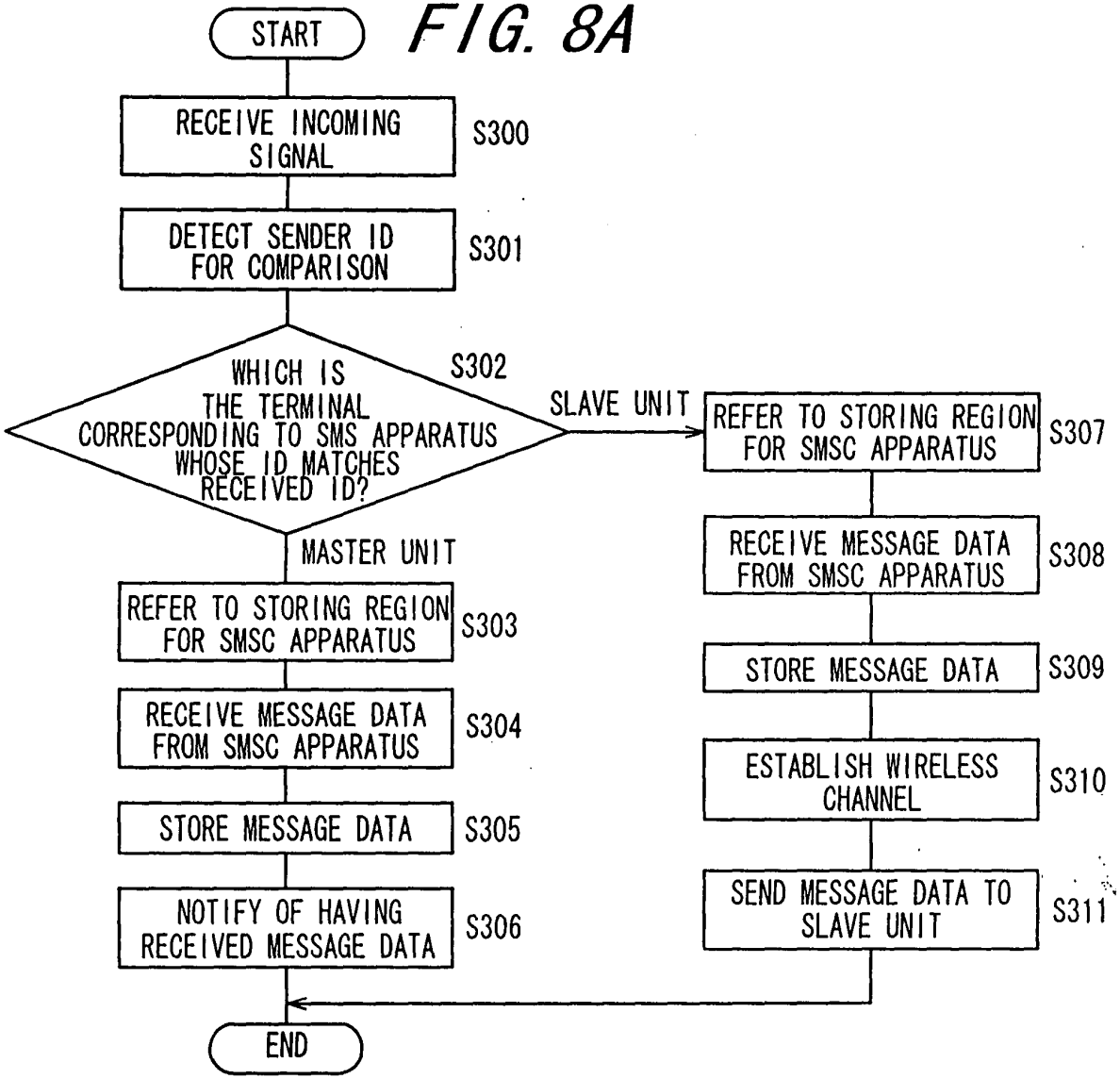
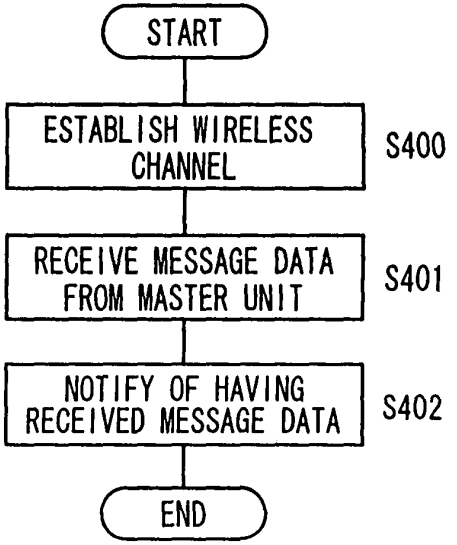

START
RECEIVE INCOMING SIGNAL
S300
DETECT SENDER ID FOR COMPARISON
S301
WHICH IS THE TERMINAL CORRESPONDING TO SMS APPARATUS WHOSE ID MATCHES RECEIVED ID?
S302
SLAVE UNIT
MASTER UNIT
REFER TO STORING REGION FOR SMSC APPARATUS
S303
RECEIVE MESSAGE DATA FROM SMSC APPARATUS
S304
STORE MESSAGE DATA
S305
NOTIFY OF HAVING RECEIVED MESSAGE DATA
S306
REFER TO STORING REGION FOR SMSC APPARATUS
S307
RECEIVE MESSAGE DATA FROM SMSC APPARATUS
S308
STORE MESSAGE DATA
S309
ESTABLISH WIRELESS CHANNEL
S310
SEND MESSAGE DATA TO SLAVE UNIT
S311
END

FIG. 8B


START
ESTABLISH WIRELESS CHANNEL
S400
RECEIVE MESSAGE DATA FROM MASTER UNIT
S401
NOTIFY OF HAVING RECEIVED MESSAGE DATA
S402
END